



Attorney's Docket No.: 16969-036001

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Zhaowei Liu Art Unit : 1743
Serial No. : 10/619,588 Examiner : Unknown
Filed : July 16, 2003
Title : METHOD AND SYSTEM FOR COMPARATIVE GENOMICS FOR CLOSELY RELATED ORGANISMS USING TEMPERATURE GRADIENT ELECTROPHORESIS

Commissioner for Patents
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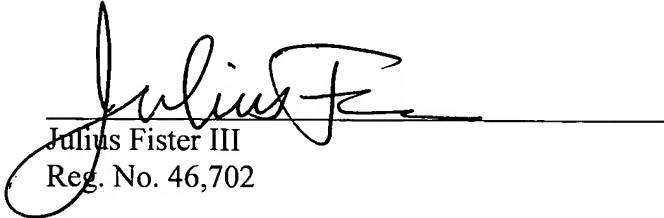
INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: June 6, 2004


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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16969-036001	Application No. 10/619,588
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.13(b))		Applicant Zhaowei Liu		
		Filing Date July 16, 2003	Group Art Unit 1743	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,066,377	11/19/1991	Rosenbaum et al.			
	AB	5,068,176	11/26/1991	Vijg et al.			
	AC	5,736,025	04/07/1998	Smith et al.			
	AD	5,795,720	08/18/1998	Henco et al.			
	AE	5,871,908	02/16/1999	Henco et al.			
	AF	5,998,147	12/07/1999	Petit et al.			
	AG	6,036,831	03/14/2000	Bishop			
	AH	6,265,557	07/24/2001	Diamond et al.			
	AI	6,398,933	06/04/2002	Scott			
	AJ	6,475,721	11/05/2002	Kleiber et al.			
	AK	6,486,309	11/26/2002	Gerber et al.			
	AL	6,613,508	09/02/2003	Ness et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AM	WO 91/02815	03/1991	PCT				
	AN	WO 96/08715	03/1996	PCT				
	AO	WO 96/24687	08/1996	PCT				
	AP	WO 01/77386	10/2001	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Jens Schell et al., Detection of point mutations by capillary electrophoresis with temporal temperature gradients, © WILEY-VCH Verlag GmbH, Electrophoresis 1999, 20, pp. 2864-2869.
	AR	High-Throughput Detection of Unknown Mutations by Using Multiplexed Capillary Electrophoresis with Polyvinylpyrrolidone Solution, The Ames Laboratory, U.S. Department of Energy by Iowa State University, pp. 1-28.
	AS	Paul Taylor et al., Detection of Mutations and Polymorphisms on the WAVE™ DNA Fragment Analysis System, Transgenomic, Inc., Application Note 101, pp. 30-33.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16969-036001	Application No. 10/619,588
		Applicant	Zhaowei Liu	
		Filing Date	July 16, 2003	Group Art Unit 1743

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AT	Cecilia Gelfi et al., Detection of point mutations by capillary electrophoresis in liquid polymers in temporal thermal gradients, Electrophoresis 1994, 15, pp. 1506-1511.
	AU	K. Khrapko et al., Constant denaturant capillary elecxptrophoresis (CDCE): a high resolution approach to mutational analysis, Nucleic Acids Research, 1994, Vol. 22, No. 3, pp. 364-369.
	AV	David G. Wang et al., Large-Scale Identification, Mapping, and Genotyping of Single-Nucleotide Polymorphisms in the Human Genome, www.sciencemag.org , SCIENCE, Vol. 280, May 15, 1998, pp. 1077-1082.
	AW	Mark Chee et al., Accessing Genetic Information with High-Density DNA Arrays, Science Magazine, Vol. 274, No. 5287, Issue of October 25, 1996, pp. 610-614.
	AX	David Sidransky, Nucleic Acid-Based Methods for the Detection of Cancer, SCIENCE, Vol. 278, November 7, 1997, www.sciencemag.org , pp. 1054-1058.
	AY	Joseph Alper, Weighing DNA for Fast Genetic Diagnosis, Science Magazine, Vo. 279, No. 5359, Issue of March 27, 2998, pp. 2044-2045.
	AZ	Detlev Riesner et al., Temperature-gradient gel electrophoresis of nucleic acids: Analysis of conformational transitions, sequence variations, and protein-nucleic acid interactions, Electrophoresis, 1989, 10, pp. 377-389.
	BA	Song-hua Ke et al., Selecting DNA fragments for mutation detection by temperature gradient gel electrophoresis: Application to the p53 gene cDNA, Electrophoresis, 1993, 14, pp. 561-565.
	BB	Richard M. Myers et al., Detection of single base substitutions in total genomic DNA, Nature, Vol. 313, February 7, 1985, pp. 495-498.
	BC	Detlev Riesner et al., Temperature-gradient gel electrophoresis for the detection of polymorphic DNA and for quantitative polymerase chain reaction, Electrophoresis, 1992, 13, pp. 632-636.
	BD	Ezra S. Abrams et al., Comprehensive Detection of Single Base Changes in Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis and a GC Clamp, Genomics 7, 1990, pp. 463-475.
	BE	K. Henco et al., Quantitative PCR: the determination of template copy numbers by temperature gradient gel electrophoresis (TGGE), Nucleic Acids Research, Vol. 18, No. 22, 1990, pp. 6733-6734.
	BF	Qiu Feng Gao et al., 25. High-Speed High-Throughput Mutation Detection, http://www.ornl.gov/sci/techresources/Human_Genome/publicat/00santa/25.html , Research Abstracts, 2000, DOE Human Genome Program.

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